STEAM PRESSURE REDUCING VALVE SCHEDULE

MARK	LOCATION	SYSTEM AND/OR SERVICE	QUANTITY	REQUIRED CAPACITY	MAX FLOW WIDE OPEN VALVE	PRESSURE		NOTES
						IN	OUT	
				LBS/HR	LBS/HR	PSIG	PSIG	
2837	2-BM 129	SPD	1	4,935	5,810	95	55	
PRV #3/2591	2-BM 107	AUDITORIMUM	1	2,940	3,460	95	25	
PRV #2	2-BM 103	HEAT	1	5,146	6,055	95	25	
PRV #1/3218	BLDG 3	HEAT	1	2,070	2,420	95	25	1:
PRV #3/2922	BLDG 4	HEAT	1	2,070	2,420	95	25	2:
3020	BLDG 6/8	HEAT	1	2,070	2,420	95	25	3:
3109	BLDG 10/12	HEAT	1	2,070	2,420	95	25	3:
422	BLDG 13/15	HEAT	1	2,070	2,420	95	25	3:
3184	BLDG 14/16	HEAT	1	2,070	2,420	95	25	3:

NOTES
1. LOCATED IN STEAM AREA AT BASEMENT CORRIDORS TO SOUTH-EAST.
2. LOCATED IN STEAM AREA AT BASEMENT CORRIDORS TO SOUTH-WEST.
3. LOCATED IN BASEMENT STEAM ROOM AT JUNCTION AT BUILDINGS.

CONDENSATE RETURN PUMPS

MARK	MANUFACTURER	MODEL	LOCATION	SERVES	CONDENSATE FLOW RATE (GPM)	MOTIVE PRESSURE (PSIG)	RECEIVER	INLET PIPE SIZE (IN)	OUTLET PIPE SIZE (IN)	MOTIVE PIPE SIZE (IN)	NOTES
PPP-1	SPIRAX SARCO	APT-14	BLDG 2 BM103	2 WH-1	5.0	30	NONE	1 1/2"	1"	1/2"	1:
PPP-2	SPIRAX SARCO	APT-14	BLDG 2 BM103	2 WH-2	4.0	30	NONE	1 1/2"	1"	1/2"	1:
PPP-3	SPIRAX SARCO	APT-14	BLDG 2 BM103	2 WH-3	1.0	30	NONE	1 1/2"	1"	1/2"	1:
PPP-4	SPIRAX SARCO	APT-14	BLDG 3 MECH	3 WH-1	2.5	30	NONE	1 1/2"	1"	1/2"	1:
PPP-5	SPIRAX SARCO	APT-14	BLDG 4 MECH	4 WH-1	2.0	30	NONE	1 1/2"	1"	1/2"	1:
PPP-6	SPIRAX SARCO	APT-14	BLDG 6 MECH	6 WH-1	4.0	30	NONE	1 1/2"	1"	1/2"	1:
PPP-7	SPIRAX SARCO	APT-14	BLDG 11 BM117	11 WH-1	2.0	30	NONE	1 1/2"	1"	1/2"	1:
PPP-8	SPIRAX SARCO	APT-14	BLDG 12 MECH	12 WH-1	7.5	30	NONE	1 1/2"	1"	1/2"	1:
PPP-9	SPIRAX SARCO	APT-14	BLDG 16 MECH	14 WH-1	3.0	30	NONE	1 1/2"	1"	1/2"	1:
PPP-10	SPIRAX SARCO	APT-14	BLDG 19 MECH	19 WH-1	4.2	30	NONE	1 1/2"	1"	1/2"	1:
215	SPIRAX SARCO	PTC 2x2	BLDG 12 BM103	REPLACEMENT	REPLACEMENT	80	EXISTING	2"	2"	3/4"	2:

NOTES
1. NEW AUTOMATIC PUMP TRAP (NOT A REPLACEMENT) TO SERVE EXISTING AERCO DOMESTIC WATER HEATER.
2. REPLACEMENT OF EXISTING PUMP. REUSE EXISTING RECEIVER.

GENERAL NOTES

1. THESE MECHANICAL DRAWINGS ARE DIAGRAMMATIC ONLY AND ARE NOT TO BE SCALED. THE CONTRACTOR SHALL VISIT THE JOB SITE BEFORE WORK BEGINS TO VERIFY ALL DIMENSIONS. NOTIFY THE ENGINEER OF ANY CONFLICTS.
2. COORDINATE PIPE ROUTING AND EQUIPMENT LOCATIONS WITH PLUMBING AND ELECTRICAL INSTALLATIONS AND WITH BUILDING STRUCTURAL MEMBERS. OFFSET PIPE AND SHIFT EQUIPMENT AS REQUIRED TO AVOID CONFLICTS.
3. SUPPORT ALL PIPING, AND EQUIPMENT FROM PRIMARY BUILDING STRUCTURAL MEMBERS. PROVIDE ADDITIONAL STRUCTURAL MEMBERS WHERE NECESSARY TO ACCOMPLISH THIS REQUIREMENT.
4. EQUIPMENT INDICATED TO BE REMOVED SHALL BE REMOVED FROM THE PROJECT SITE IN ITS ENTIRETY INCLUDING ALL HANGERS, ELECTRICAL CONDUIT, WIRING, ELECTRICAL JUNCTION BOXES, PIPING, CONTROLS AND ACCESSORIES RENDERED USELESS OR ABANDONED BY THE REMOVAL OF THE INDICATED EQUIPMENT.
5. PAINT AND IDENTIFY ALL NEW PIPING, VALVES, AND EQUIPMENT, INCLUDING CONTROL COMPONENTS PER SPECIFICATIONS. ALL NEW PIPING INSULATION SHALL BE MARKED AND IDENTIFIED WITH SERVICE TYPE, SERVICE PRESSURE WHERE APPLICABLE, AND DIRECTION OF FLOW.

STEAM PRESSURE RELIEF VALVE SCHEDULE

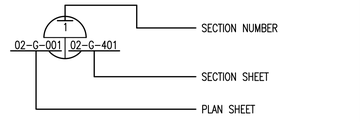
MARK	LOCATION	SYSTEM AND/OR SERVICE	MINIMUM CAPACITY	SET PRESSURE	NOTES
			LBS/HR	PSIG	
2837	2-BM 129	SPD	5,810	60	
PRV #3/2591	2-BM 107	AUDITORIMUM	3,460	30	
PRV #2	2-BM 103	HEAT	6,055	30	
PRV #1/3218	BLDG 3	HEAT	2,420	30	1:
PRV #3/2922	BLDG 4	HEAT	2,420	30	2:
3020	BLDG 6/8	HEAT	2,420	30	3:
3109	BLDG 10/12	HEAT	2,420	30	3:
422	BLDG 13/15	HEAT	2,420	30	3:
3184	BLDG 14/16	HEAT	2,420	30	3:

NOTES
1. LOCATED IN STEAM AREA AT BASEMENT CORRIDORS TO SOUTH-EAST.
2. LOCATED IN STEAM AREA AT BASEMENT CORRIDORS TO SOUTH-WEST.
3. LOCATED IN BASEMENT STEAM ROOM AT JUNCTION AT BUILDINGS.

DRAWING DESIGNATIONS

12-G-001
- SHEET NUMBER
- FLOOR NUMBER:
  - 0 BASEMENT
  - 1 FIRST FLOOR
  - 2 SECOND FLOOR
  - 3 THIRD FLOOR
  - 4 ENLARGED FLOOR PLANS
  - 6 PROCESS FLOW DIAGRAM AND DETAILS
- DRAWING ASSIGNMENT
- BUILDING NUMBER

SECTION INDICATOR



PIPING DESIGNATIONS

3/4"-HPS-PROC
- SERVICE:
  - PROC STEAM PROCESS
  - HEAT STEAM HEAT
  - COND STEAM CONDENSATE RETURN
- PIPE PRESSURE:
  - LPS LOW PRESSURE
  - MPS MEDIUM PRESSURE
  - HPS HIGH PRESSURE
- PIPE SIZE

VALVE/TRAP DESIGNATIONS

EXISTING DESIGNATIONS:
EXAMPLES: 658, 1387, 03120

UN-DESIGNATED DESIGNATIONS:
T-U12B001
- EQUIPMENT NUMBER
- FLOOR NUMBER:
  - 0 BASEMENT
  - 1 FIRST FLOOR
  - 2 SECOND FLOOR
  - 3 THIRD FLOOR
  - 4 CORRIDOR BETWEEN BUILDINGS
- BUILDING NUMBER
- UN-DESIGNATED VALVE
- UN-DESIGNATED TRAP
  - T- TRAP
  - R- XXX
  - S- XXX

LEGEND

AFF.	ABOVE FINISHED FLOOR
B.E.	BOTTOM ELEVATION
CAP.	CAPACITY
°F	DEGREES FAHRENHEIT
EFF.	EFFICIENCY
FT.	FEET
GAL.	GALLON(S)
G.P.M.	GALLONS PER MINUTE
IN.	INCHES
IN. W.G. / FT. W.G.	INCHES WATER GAUGE / FEET WATER GAUGE
MNFR	MANUFACTURER
MAX.	MAXIMUM
MBH	BTUH x 1000
MIN.	MINIMUM
N.C.	NORMALLY CLOSED
N.O.	NORMALLY OPEN
LB/HR	POUNDS PER HOUR
P.S.I.G.	POUNDS PER SQUARE INCH – GAUGE
PRESS.	PRESSURE
	NEW PIPE OR EQUIPMENT
	EXISTING PIPE OR EQUIPMENT
	DEMOLISH PIPE OR EQUIPMENT
	CONCENTRIC PIPE REDUCER
	ECCENTRIC PIPE REDUCER
	PITCH OF PIPE ARROW SHOWS DIRECTION OF DROP
	INTERMEDIATE ANCHOR
	MAIN ANCHOR
	EXPANSION JOINT
	EXPANSION LOOP
	FLEXIBLE CONNECTOR
	VERTICAL PIPE TEE
	TOP CONNECTION FITTING
	VERTICAL PIPE
	PIPE DROP
	STRAINER ("Y" TYPE)
	GATE VALVE
	GLOBE VALVE
	CHECK VALVE
	BALL VALVE
	DIAPHRAGM OPERATED VALVE
	REGULATOR VALVE
	RELIEF VALVE
XXX-XX	CONTROL VALVE TAG
	CONTROL VALVE
	VALVE IN THE VERTICAL
	REDUCER
T	TRAP
P	PUMP TRAP
UH	UNIT HEATER
PI	PRESSURE INDICATOR
TI	TEMPERATURE INDICATOR
	DIRECTION OF FLOW
	PIPE COUPLING
	PIPE CAP
	WALL IN PLAN
	FLOOR OR WALL IN ISOMETRIC
	DRAIN

Revisions	Date

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GEORGIA REGISTERED NO. 24245 PROFESSIONAL ENGINEER PEDRO J. CAMEJO

Drawing Title: MECHANICAL LEGEND, GENERAL NOTES AND SCHEDULES

FINAL SUBMITTAL

Project Title: STEAM AND CONDENSATE PIPING SYSTEM STUDY

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